

FIG. 1

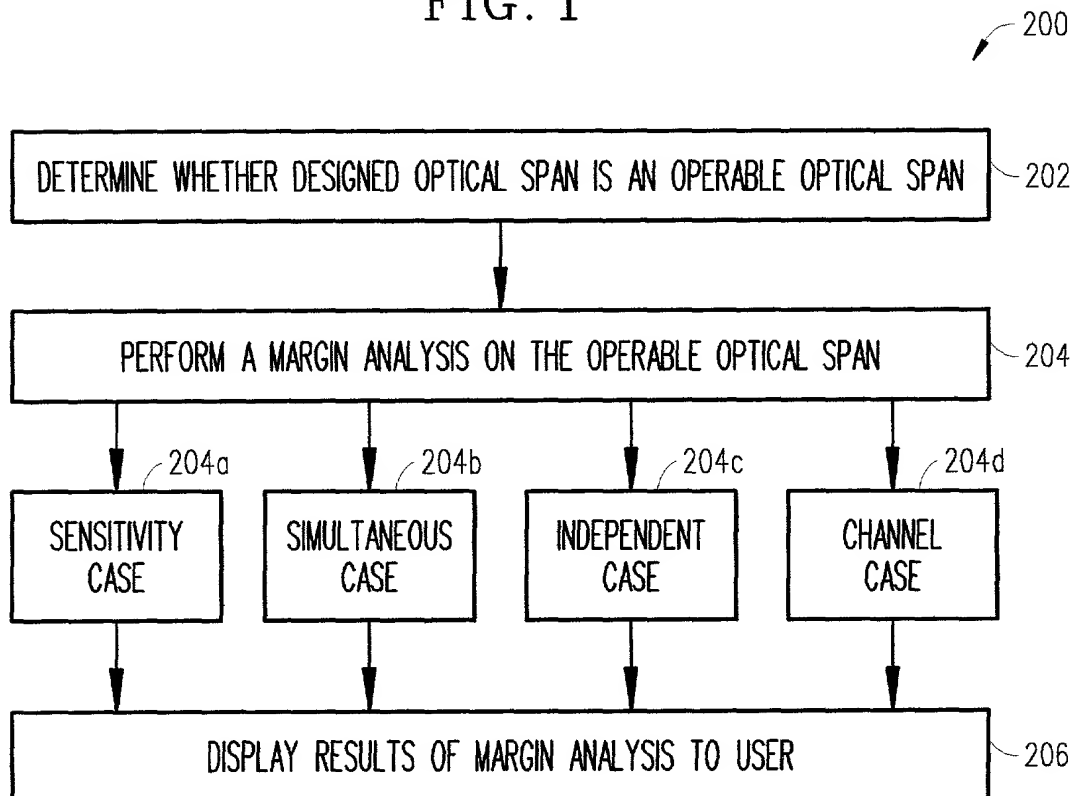


FIG. 2

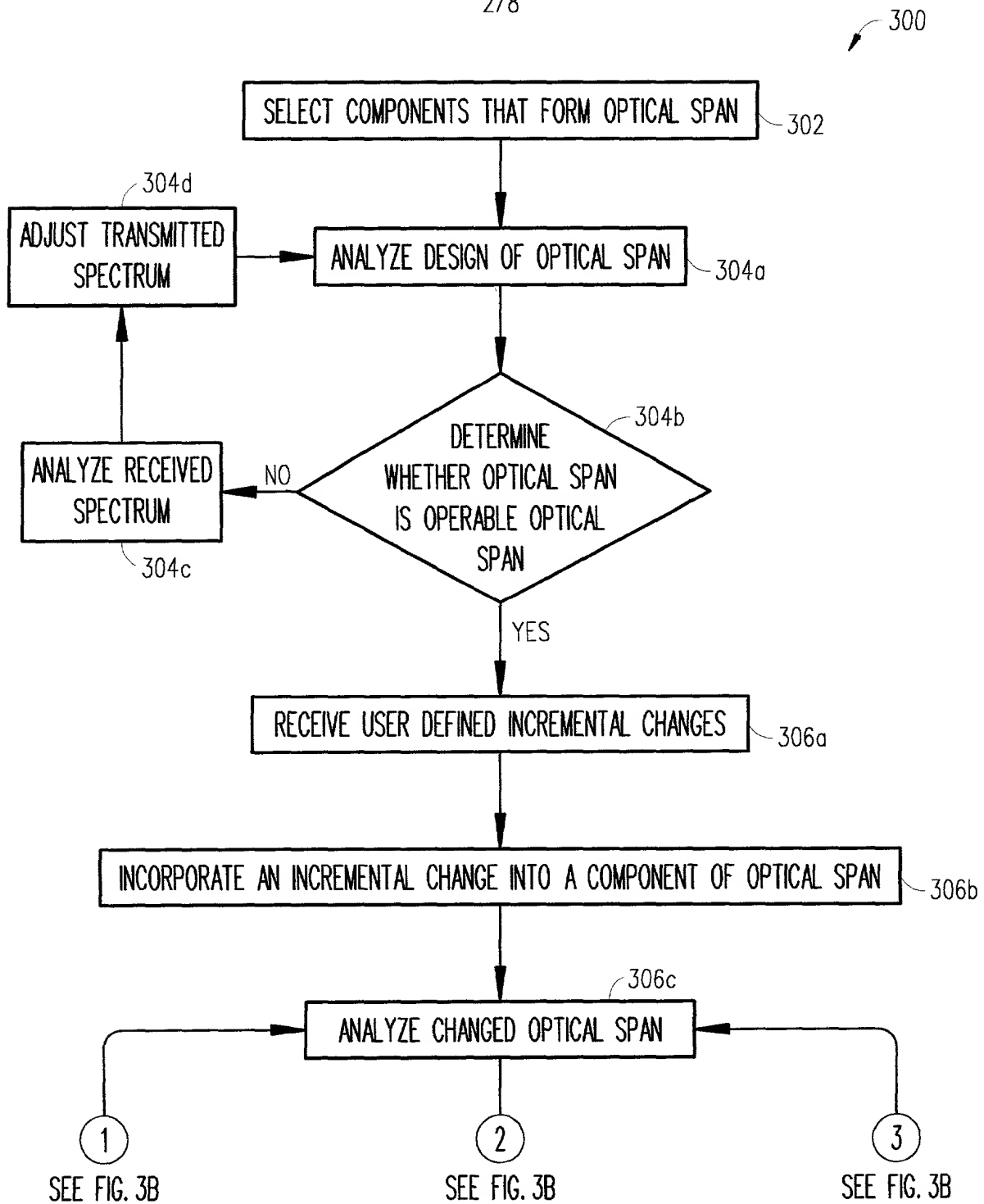


FIG. 3A

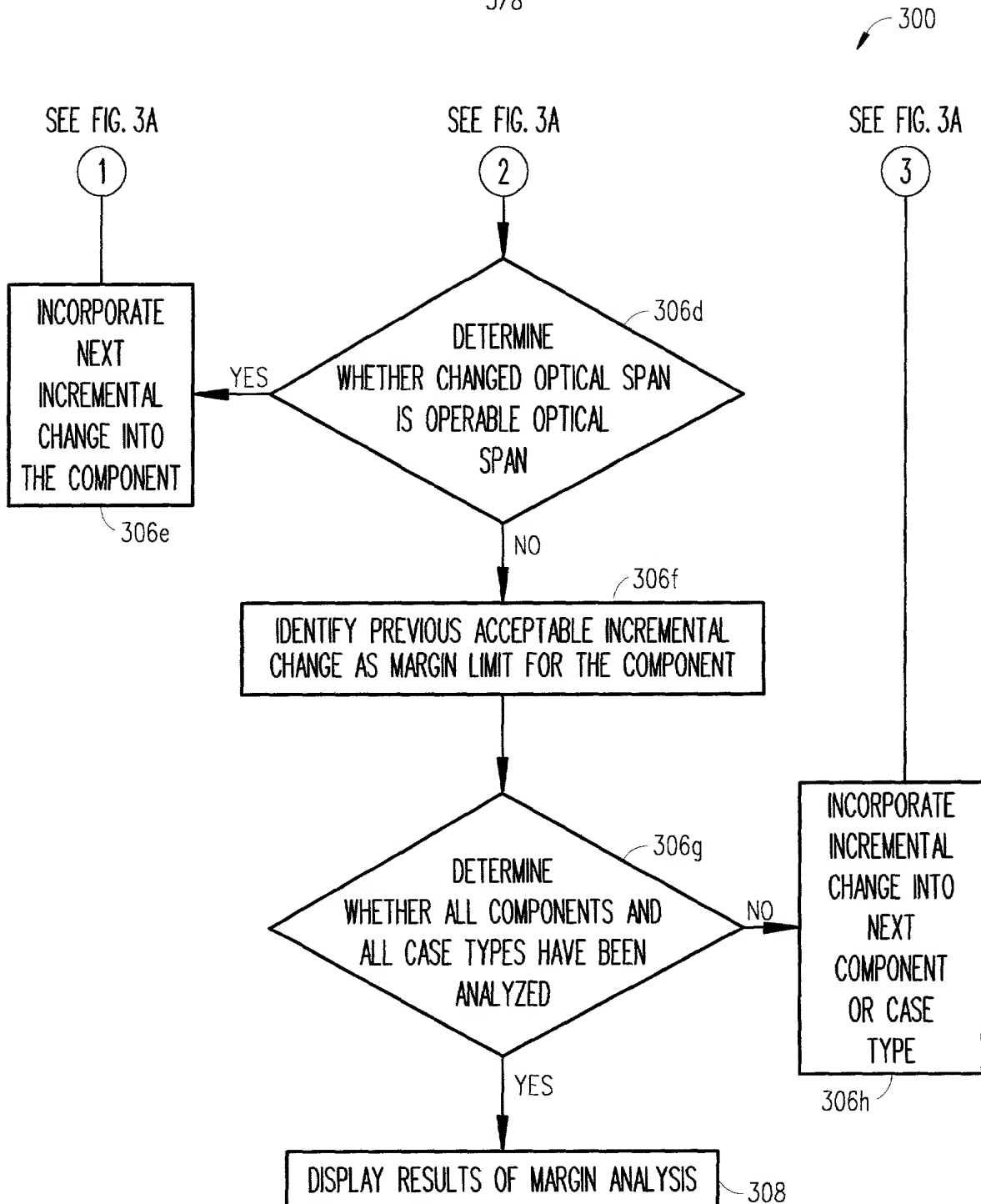


FIG. 3B

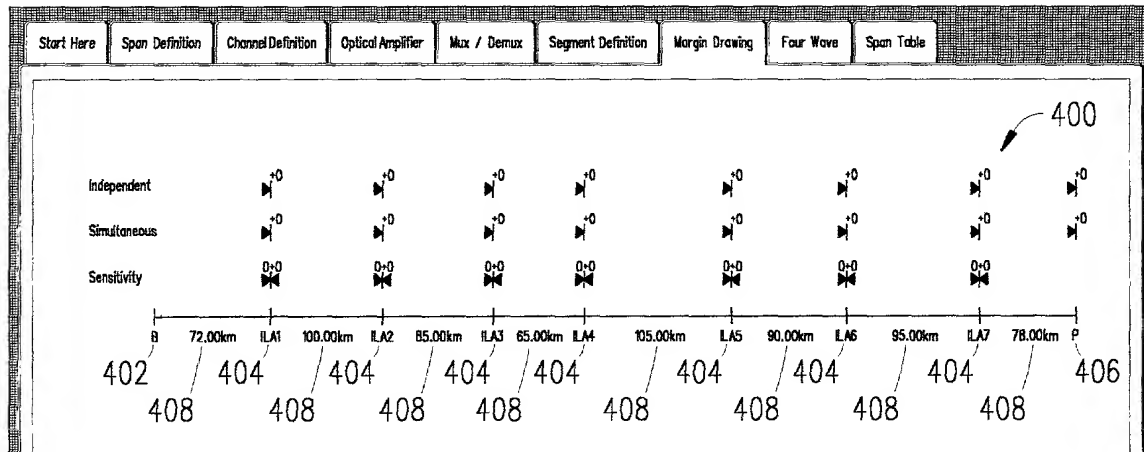


FIG. 4A

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Site Name	Site Type	Amp Type	Amp Power Selection	Amp Output Power (dbm) min	Amp Output Power (dbm) max	Segment Distance (km)	Segment Fiber Type	FDP and Splice Losses (db) min	FDP and Splice Losses (db) max	Calculated Segment Fiber Loss (db) min	Calculated Segment Fiber Loss (db) max	Required In-Line Attenuation (db)
B	Booster	v17252f09	17.0	17.0	17.0	72	Alcatel SSMF (G.652)	1.94	2.9	17.06	20.9	8
ILA1	ILA	v17252f09	17.0	17.0	17.0	100	Alcatel SSMF (G.652)	2.15	3.25	23.15	28.25	0
ILA2	ILA	v17252f09	17.0	17.0	17.0	85	Alcatel SSMF (G.652)	2.03	3.05	19.88	24.3	4
ILA3	ILA	v17252f09	17.0	17.0	17.0	65	Alcatel SSMF (G.652)	1.88	2.8	15.53	19.05	9
ILA4	ILA	v17252f09	17.0	17.0	17.0	105	Alcatel SSMF (G.652)	2.18	3.3	24.23	29.55	0
ILA5	ILA	v17252f09	17.0	17.0	17.0	90	Alcatel SSMF (G.652)	2.06	3.1	20.96	25.6	3
ILA6	ILA	v17252f09	17.0	17.0	17.0	95	Alcatel SSMF (G.652)	2.09	3.15	22.04	26.9	1
ILA7	ILA	v17252f09	17.0	17.0	17.0	78	Alcatel SSMF (G.652)	1.97	2.95	18.35	22.45	6
P	Preamp	19261ald12	17.0	20.0	20.0							
Total						690.0		16.30	24.50	161.19	197.00	31.00

FIG. 4B

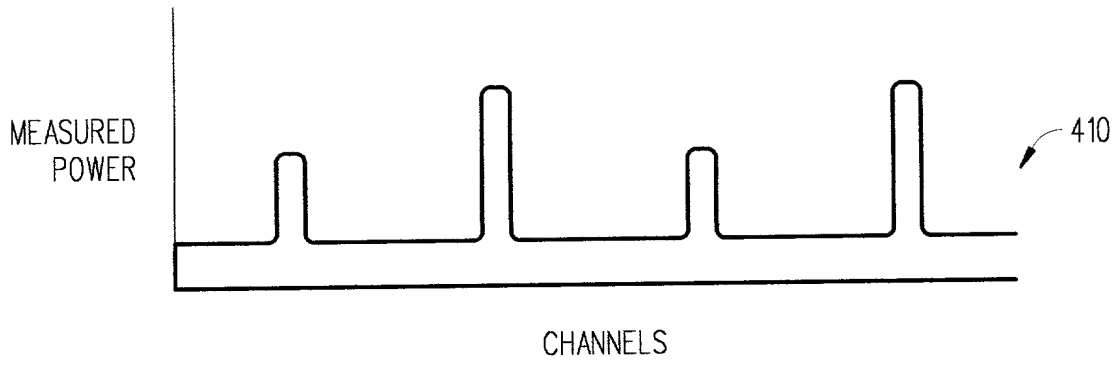


FIG. 4C

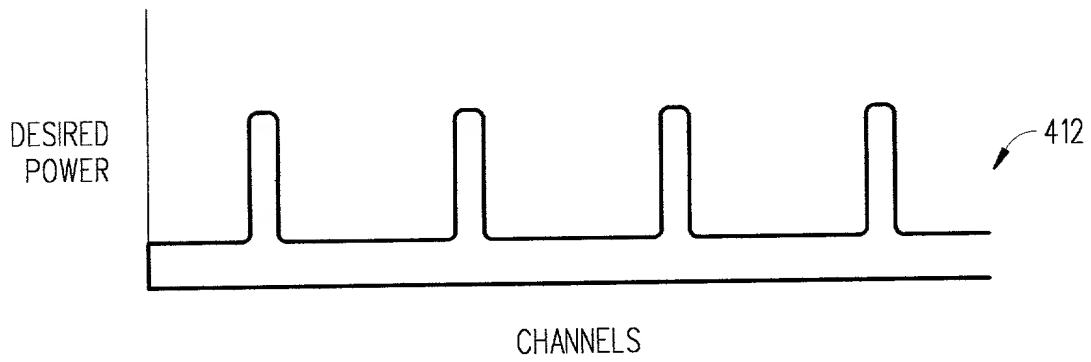


FIG. 4D

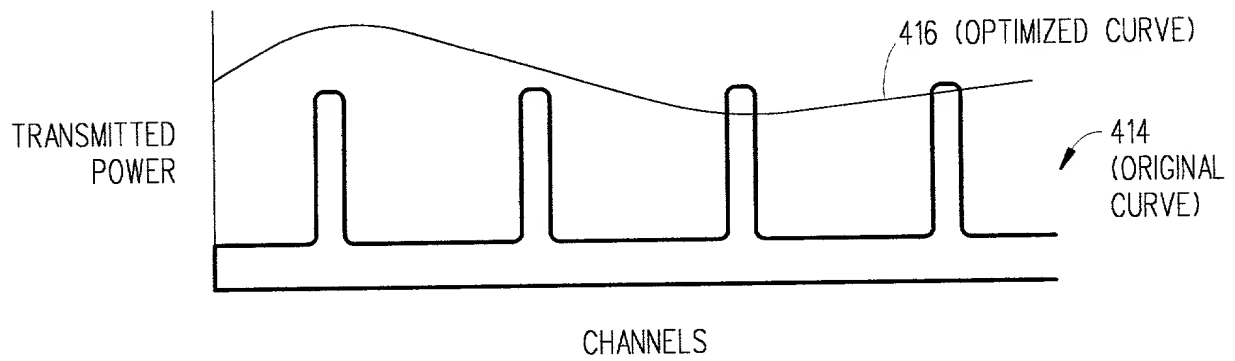


FIG. 4E

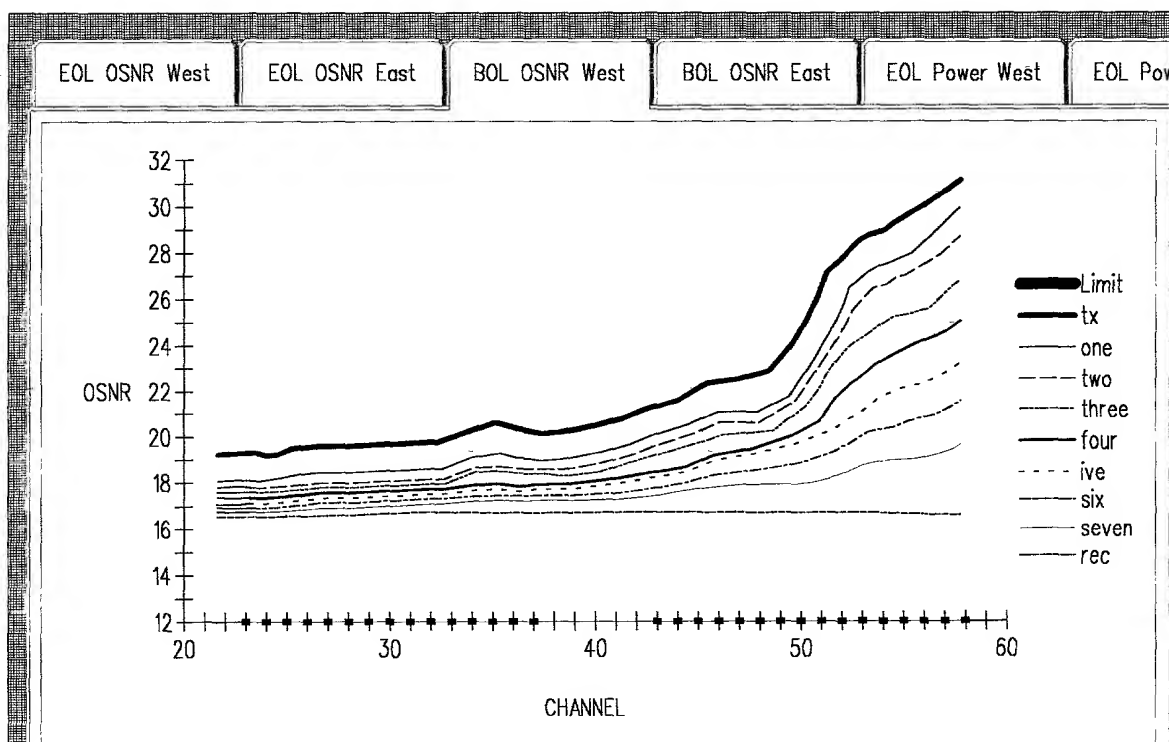


FIG. 4F

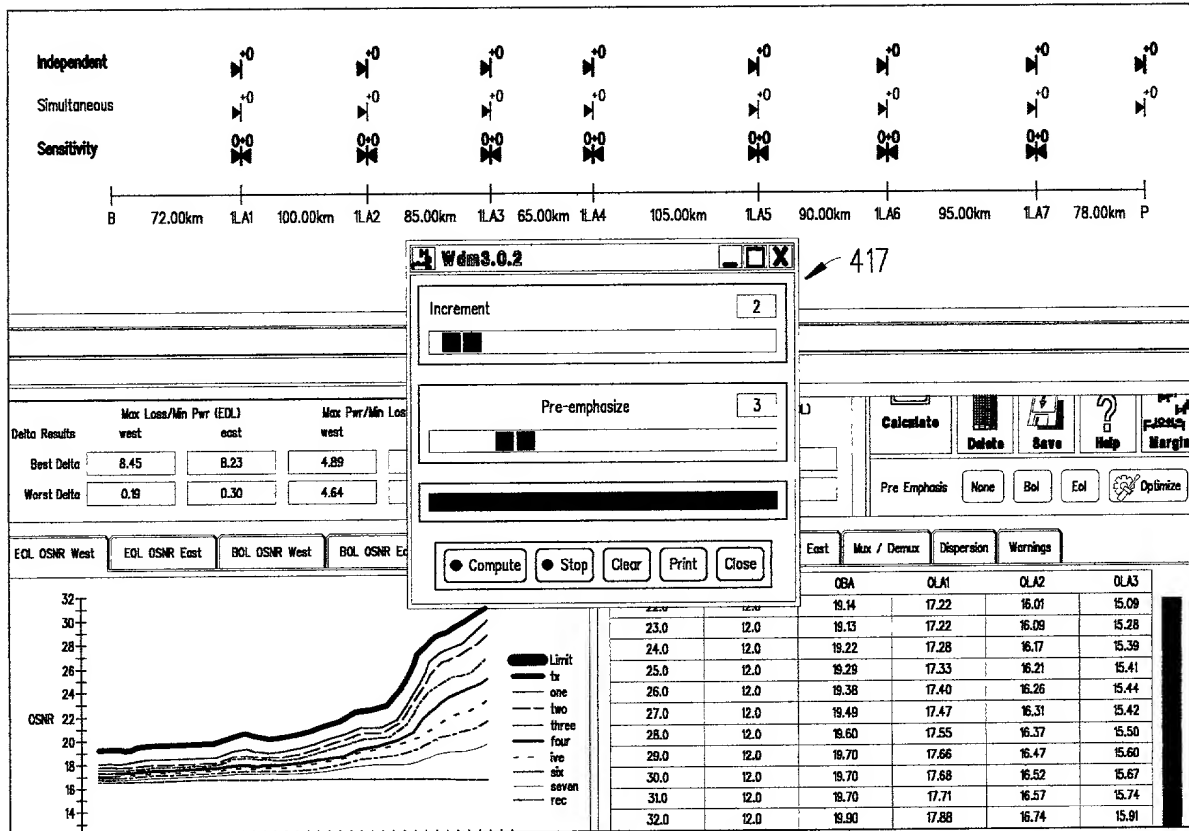


FIG. 4G

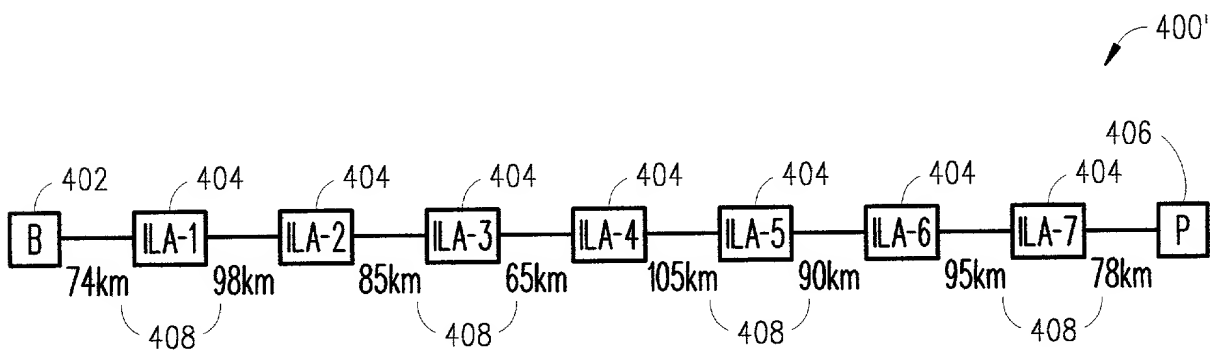


FIG. 4H

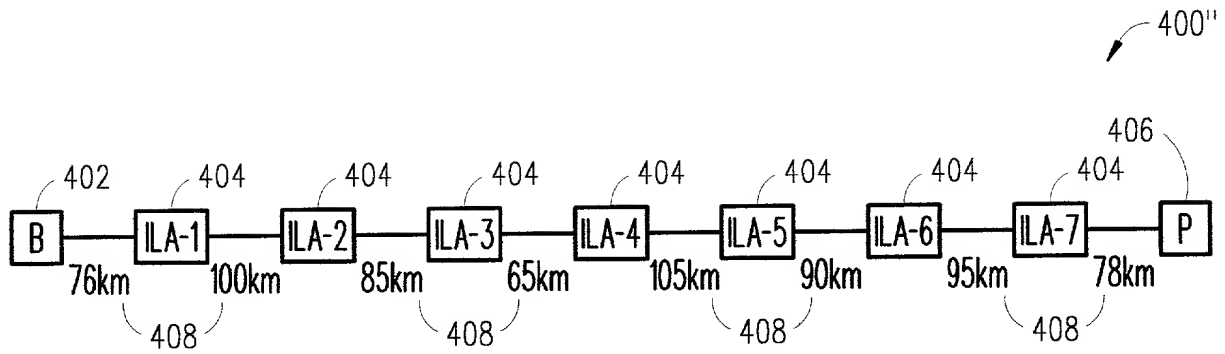


FIG. 4I

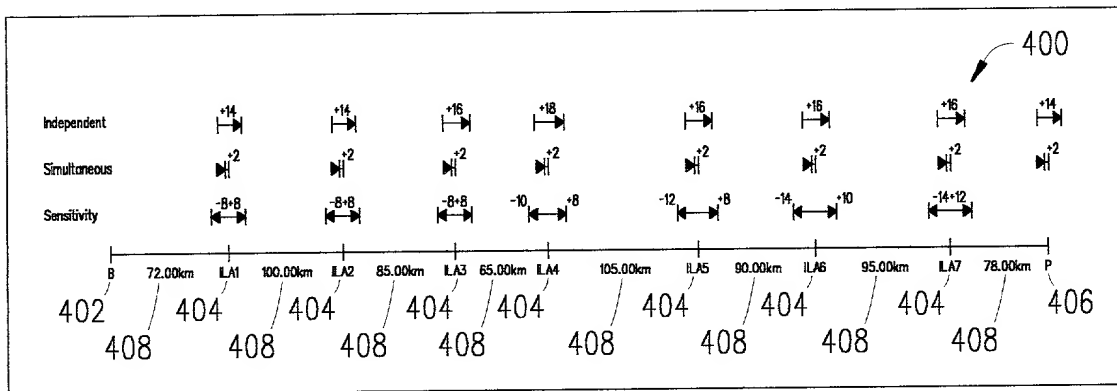


FIG. 4J